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# ANDREW WINTERMAN

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Critical, creative thinker, quick learner, disciplined, numerate.

*Education:* Reed College (2010) Mathematics BA, [Thesis](#).

*Specialties:* Data Visualization, Machine Learning, Statistics.

## Employment History

DATA SCIENTIST <a href="#">Periscopic</a>	Translate data into graphics for intuitive interpretation. Implement software for machine learning, data analysis. Research new projects, make sense of data from diverse sources (economics, ecology, epidemiology, technology, etc.). Prototype visualization methods uniquely suited to the data set and to the needs of the client.	Aug 2011 Present
<a href="#">REU</a> INTERN <i>Reed College</i>	Repaired and improved available statistical tools for cDNA microarray analysis using the R programming language. Collaborated with a team of undergraduates under Professors Renn and Jones.	May 2010 Aug 2010
RESEARCHER <i>University of Puerto Rico</i>	Investigated multiferroics properties of certain thin films at Spectrum Laboratories, Rio Piedras campus. Coauthored a <a href="#">scientific paper</a> describing work completed.	Oct 2008 Dec 2008
<a href="#">DAAD</a> INTERN <i>University of Münster</i>	Operated tomographic atom probe, transmission electron microscope, and field ion microscope at the Institutue for Material Physics. Investigated effect of extreme temperatures on the rate of diffusion of nano-materials.	May 2008 Sep 2008

## Skills, Interests & Expertise

COMPUTER LANGUAGES	Proficient in Python, R, Javascript ( <a href="#">D3</a> ), SVG. Familiar with HTML, CSS, MySQL, SQLite. Exposure to Clojure, Haskell. <a href="#">Contributor</a> to <a href="#">Scikit-Learn</a> , a machine learning toolkit.
RELEVANT COURSEWORK	<i>OHSU</i> : Biostatistics, Epidemiology. <i>Reed College</i> : Mathematical Statistics, Probability, Abstract & Linear Algebra, Advanced Topics in Epistemology: Computation.
INTERESTS	<i>Languages</i> : Fluent in Spanish. Intermediate German. <i>Hobbies</i> : Cooking, drawing (pencil, pen & ink wash, charcoal), Ultimate Frisbee. Craft coffee and microbrews.

## Community Involvement

STUDENT LEADER <i>Reed College</i>	Led four day backpack in Mt. Adams wilderness area for incoming Reed College freshmen. Responsibilities include group safety, organizing meals, clean water, tending group morale.	Aug 2010
ORGANIZER <i>Jump Rope Club</i>	Student Health: Installed jump ropes in lobby of Reed College library to combat stress culture, encouraging students to exercise as a study break.	Feb 2009 Apr 2009
TEACHER <i>Voz Workers' Rights Project</i>	Taught English to Latin American adult day laborers. Focused on vocabulary, pronunciation.	Oct 2009
VOLUNTEER <i>Ayuda Directa</i>	Constructed dust-free building in remote Andean village to properly house government issued computers. Tutored English vocabulary and grammar.	Aug 2007